

SWBAT: convert voltage to motion

Jan 4-7:20 AM

Welcome!!!

H. Leslie Grebe

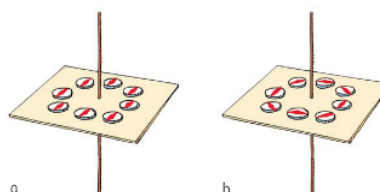
SECA Physics
Friday 20 March 2015

Need to take the
test?

- * Pick up:
- slip of paper (for later)

Opening Questions:

Currents generate magnetic fields.
So,... what happens if you bring a magnet near a
wire?



Centering

Sep 7-7:04 AM



Mystery Resistor - extra credit

- You may work alone or with at most one other person of your choosing.
- Get a "Mystery Resistor" labeled with a letter from Leslie
- Use the same equipment that our teams used in class. Take measurements that will allow you to calculate the resistance (in Ohms) of your resistor.
- You may work when there is spare time in class or arrange other time with Leslie.

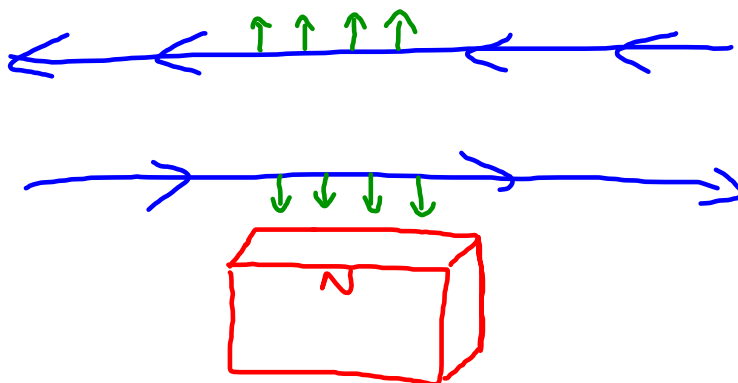
Due by 3:00 Friday 3/27

Jan 19-7:12 AM



Current and Magnets:

- Wire with current deflects a compass needle
- Magnets attract and repel each other
- What happens to a wire over a magnet?



Mar 29-7:38 AM

FLIP

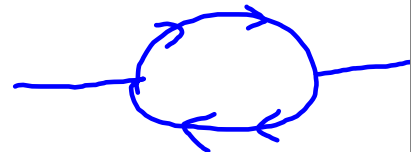
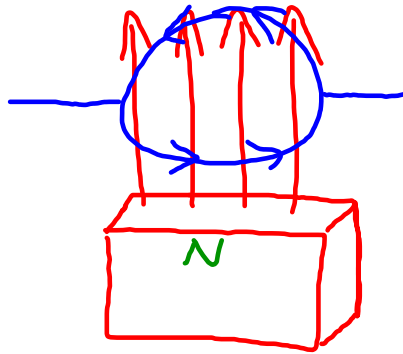
Electric Motors

Partner up:

- one in charge of directions
- one in charge of building

- Turn electric potential energy into useful kinetic energy:
electricity into **motion**.

- What's up with the half-insulated wire???



What did we build today?

Mar 29-7:37 AM

Daily 3 Questions

- * Every day except test/project days
- * 3 Questions on the topics of the day
- * Main source of daily points
- * I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

CP: Think of 2 electric motors in your house.

You can't get your points if you don't have your **NAME!!!**

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM

1. An electric motor turns electric potential energy (electricity) into MOTION.

KINETIC ENERGY

2. To make the motor, one tail should have NO insulation on it, and the other tail should HALF RED INSULATION.

3. True or False: Magnets can make a wire with current move.

Mar 23-7:57 AM

Mar 24-10:27 AM